

ABSTRACT OF THE DISCLOSURE

The present invention relates to a DNA construct containing a
5 DNA for a serine proteinase inhibitor isolated from *Brassica oleracea*, which has
antibiosis activity. The present invention also relates to transgenic plants and
transgenic plant seeds containing that nucleic acid molecule. Resistance to
herbivorous insects can be conferred to a plant by either transformation of the
plant with the nucleic acid molecule which encodes a serine proteinase inhibitor
10 isolated from *Brassica oleracea* or by application of that inhibitor to plants or
plant seeds.